

## M 5.4, Vanuatu region

Origin Time: 2021-10-12 06:04:11 UTC (Tue 18:04:11 local)  
Location: 21.3736° S 174.4488° E Depth: 522.0 km

Created: 2 hours, 5 minutes after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.

### Estimated Economic Losses

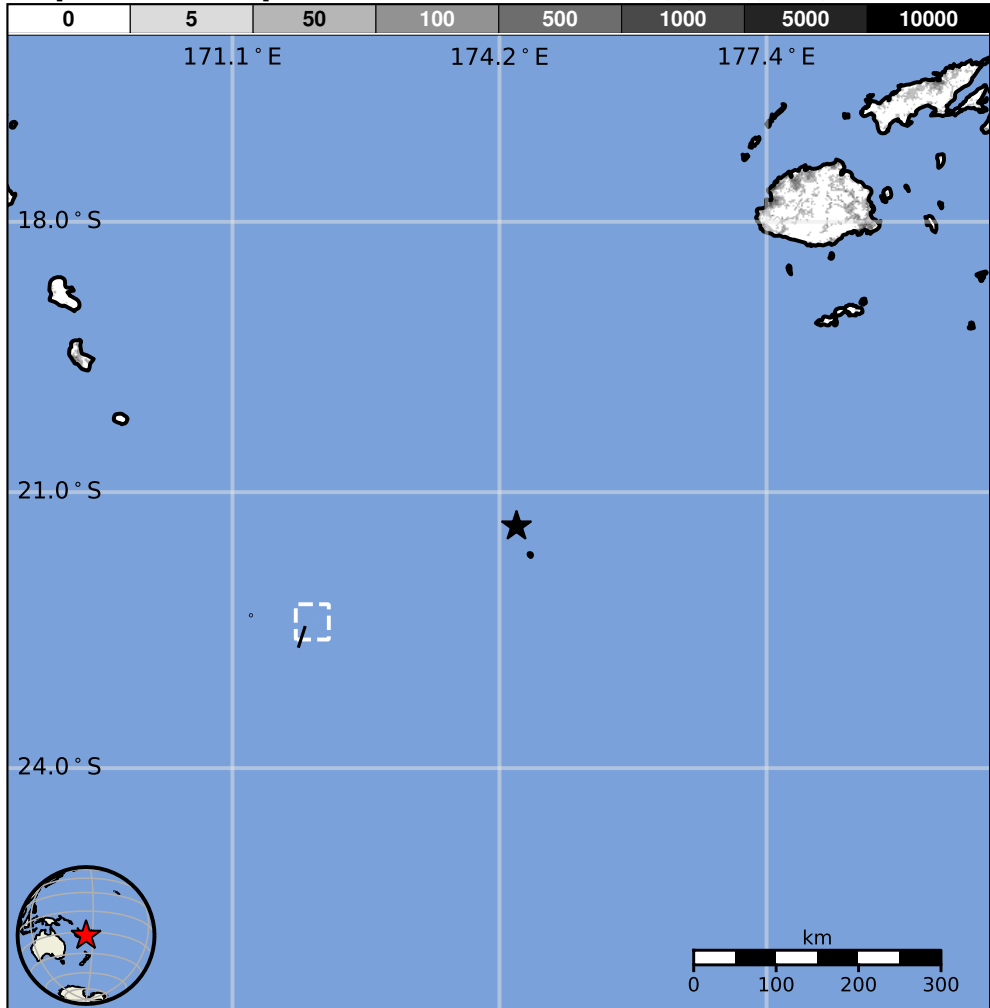


### Estimated Population Exposed to Earthquake Shaking

|   |                       |          |        |       |          |          |             |            |          |          |
|---|-----------------------|----------|--------|-------|----------|----------|-------------|------------|----------|----------|
| ESTIMATED POPULATION EXPOSURE (k=x1000) |                       | 984k*    | 0      | 0     | 0        | 0        | 0           | 0          | 0        | 0        |
| ESTIMATED MODIFIED MERCALLI INTENSITY   |                       | I        | II-III | IV    | V        | VI       | VII         | VIII       | IX       | X+       |
| PERCEIVED SHAKING                       |                       | Not felt | Weak   | Light | Moderate | Strong   | Very Strong | Severe     | Violent  | Extreme  |
| POTENTIAL DAMAGE                        | Resistant Structures  | None     | None   | None  | V. Light | Light    | Moderate    | Mod./Heavy | Heavy    | V. Heavy |
|   | Vulnerable Structures | None     | None   | None  | Light    | Moderate | Mod./Heavy  | Heavy      | V. Heavy | V. Heavy |

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are unknown/miscellaneous types and wood construction.

### Historical Earthquakes

| Date (UTC) | Dist. (km) | Mag. | Max MMI(#) | Shaking Deaths |
|------------|------------|------|------------|----------------|
| 1980-03-08 | 339        | 7.2  | I(0)       | —              |
| 2001-02-14 | 373        | 6.2  | V(1k)      | —              |
| 2001-02-14 | 378        | 6.0  | V(4k)      | —              |

### Selected City Exposure

from GeoNames.org

| MMI | City | Population |
|-----|------|------------|
|-----|------|------------|

bold cities appear on map.

(k = x1000)

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us6000ftx1#pager>

Event ID: us6000ftx1